

SECURE DATA STORAGE AND RETRIEVAL WITH KEY MANAGEMENT  
AND USER AUTHENTICATION

Abstract of the Disclosure

Methods, systems and computer program products are provided which provide for controlling access to digital data in a file by encrypting the data with a first key, encrypting the first key with a second personal key generated from a password/passphrase associated with the file and further encrypting the encrypted first key with a control key which is managed by the system. In certain embodiments, user authentication may also be provided by issuing a ticket which is utilized to create, access and administer the files in the system.

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